

## CLAIMS

1 1. A matrix addressed display device comprising:  
2 a cathode means;  
3 grid electrode means comprising a first plurality of  
4 parallel row conductors and a second plurality of  
5 parallel column conductors arranged orthogonally to the  
6 row conductors;  
7 characterised in that the display device further  
8 comprises:

9 means for providing cut-off correction information and  
10 to a one of said first or said second plurality of  
11 parallel conductors.

*pixel data  
information  
(drive  
voltage  
signals)*

1 2. A display device as claimed in claim 1 further  
2 comprising means for providing gain correction  
3 information to a one of said first or said second  
4 plurality of parallel conductors.

1 3. A display device as claimed in claim 2 further  
2 comprising a non-volatile memory for storing a plurality  
3 of values for said cut-off and gain correction  
4 information.

1 4. A display device as claimed in claim 3, further  
2 comprising a screen for receiving electron beams  
3 modulated by said grid electrode means, the screen having  
4 a phosphor coating facing the grid electrode means, the  
5 phosphor coating comprising a plurality of pixels each  
6 corresponding to a different row and column.

1 5. A display device as claimed in claim 3, wherein said  
2 cut-off and gain correction information is provided to  
3 said first plurality of parallel conductors, said gain  
4 and cut-off correction information being applied to all  
5 of said first plurality of parallel conductors.

1 6. A display device as claimed in claim 3, wherein said  
2 cut-off and gain correction information is chosen so as  
3 to compensate for variations in cut-off and gain  
4 occurring during warm up.

51 7. A display device as claimed in claim 6, further  
52 comprising:

53 anode means disposed between said grid electrode  
54 means and said screen for accelerating electrons towards  
55 the screen, the anode means comprising a plurality of  
56 anodes extending parallel to the column conductors, the  
57 anode means comprising pairs of anodes each corresponding  
58 to a different column conductor, each pair comprising  
59 first and second anodes respectively extending along  
60 opposite sides of the corresponding column conductor, the  
61 first anodes being interconnected and the second anodes  
62 being interconnected; and

63 means for providing purity correction information  
64 across the first and second anodes so as to compensate  
65 for variations in purity occurring during warm up.

1 8. A display device as claimed in claim 6, further  
2 comprising temperature sensing means for determining  
3 which of said plurality of values of stored cut-off and  
4 gain correction information is supplied to a one of said  
5 first or said second plurality of parallel conductors.

1 9. A display device as claimed in claim 3, wherein said  
2 cut-off correction information is provided to said second  
3 plurality of parallel conductors, said cut-off correction  
4 information varying according to the physical location of  
5 each of said second plurality of parallel conductors.

1 10. A display device as claimed in claim 3, wherein said  
2 gain correction information is provided to said second  
3 plurality of parallel conductors, said gain correction  
4 information varying according to the physical location of  
5 each of said second plurality of parallel conductors.

1 11. A display device as claimed in claim 3, wherein said  
2 cut-off and gain correction information is provided to  
3 said first plurality of parallel conductors, said cut-off  
4 and gain correction information varying according to the  
5 physical location of each of said first plurality of  
6 parallel conductors and according to which of said second  
7 plurality of parallel conductors is selected.